

FLAMEBLOCKER

FXQ 450/750V

Based on SS 424 02-19-5

ZN-TF-219



Halogen-free light sheathed cables with improved fire behaviour



CONSTRUCTION

Conductors:	annealed copper circular stranded conductor class 2 acc. to EN 60228
Insulation:	cross-linked polyethylene XLPE
Inner covering:	halogen-free not vulcanized rubber compound
Sheath:	special halogen-free thermoplastic compound

CHARACTERISTIC

Colour of sheath:	white
Core identification:	
1-core:	green-yellow
2-core:	blue, brown
3-core:	green-yellow, blue, brown
4-core:	green-yellow, brown, black, grey
5-core:	green-yellow, blue, brown, black, grey
Maximum conductor operating temperature:	+70°C
Lowest ambient temperature for fixed installation:	-30°C
Lowest installation temperature:	-15°C
Maximum short-circuit conductor temperature:	+250°C
Minimum bending radius:	
Normal use:	8 x D
Careful bending at termination:	4 x D, D – overall diameter
Max. permissible tensile stress with cable grip for Cu-conductor:	50 N/mm ²
Test voltage:	2500V

FIRE PERFORMANCE

▪ Flame retardant:	IEC 60332-1-2, IEC 60332-3-24 (SS 4241475 F4C), IEC 60332-3-23 (SS 4241475 F4B)
▪ Smoke density:	EN 61034-2, IEC 61034-2
▪ Gases evolved during combustion:	IEC 60754-1, IEC 60754-2, EN 50267-2-2: pH ≥ 4,3; conductivity ≤ 10 µS/mm

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APPLICATIONS

Installation cables for industrial complexes, public buildings, hotels, airports, hospitals or industrial plants with high concentration of people and/or property. Usable in the open, in dry, damp and wet environments in the open and concealed, as well as in masonry and in concrete, not suitable for imbedding in solidified – or compressed – concrete.

Standard length cable packing

100 m coils or 500 m on drums.

Other forms of packing and delivery are available on request.

MARKING

TF KABLE 2 FXQ 3G4 450/750V CE 2014 meter marks

Number and cross-sectional area of conductor	Number of wires in conductor	Nominal thickness of insulation	Nominal thickness of sheath	Approximate overall diameter	Approximate net weight of cables	Maximum conductor resistance at temperature 20°C
n x mm ²	n	mm	mm	mm	kg/km	Ω/km
1G4	7	0,7	1,2	6,2	70	4,61
1G6	7	0,7	1,2	6,6	90	3,08
1G10	7	0,7	1,2	7,5	132	1,83
1G16	7	0,7	1,2	8,5	191	1,15
1G25	7	0,9	1,4	10,5	296	0,727
2x6	7	0,7	1,4	11,9	263	3,09
2x10	7	0,7	1,4	13,8	381	1,83
2x16	7	0,7	1,4	15,8	542	1,15
2x25	7	0,9	1,4	19,8	858	0,727
3G4	7	0,7	1,4	11,6	241	4,61
3G6	7	0,7	1,4	12,4	306	3,08
3G10	7	0,7	1,4	14,4	464	1,83
3G16	7	0,7	1,4	16,7	676	1,15
3G25	7	0,9	1,4	21,0	1069	0,727
4G4	7	0,7	1,4	12,6	290	4,61
4G6	7	0,7	1,4	13,5	373	3,08
4G10	7	0,7	1,4	15,8	571	1,83
4G16	7	0,7	1,4	18,3	837	1,15
4G25	7	0,9	1,5	23,2	1335	0,727
5G4	7	0,7	1,4	13,7	347	4,61
5G6	7	0,7	1,4	14,7	449	3,08
5G10	7	0,7	1,4	17,3	697	1,83
5G16	7	0,7	1,4	20,1	1020	1,15
5G25	7	0,9	1,5	25,4	1624	0,727

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